



COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST (EAC)
U.S. Environmental Protection Agency
Region 8 Superfund Program
Contract Laboratory Program (CLP)

1085972 - R8 SDMS

Route to
Validation (Y/N) _____

Case Number: 37402

SDG Number: mt 2663

AUDIT CHECKLIST

Note: The following items are verified for each Region 8 CSF, except those indicated as "Complete Audit Only." As described in the Region 8 Inspection of Complete Sample Delivery Group SOP, the items identified as "Complete Audit Only" are completed on approximately 10% of the Region 8 CSFs. When items identified as "Complete Audit Only" are not reviewed, "N/A" is marked.

CHAIN OF CUSTODY

- | | | |
|--|-----------------|---|
| 1. Custody Seal Present? | Yes <u>X</u> | No _____ |
| 2. Condition of Seal? <u>X</u> | Intact <u>X</u> | Signed <u>X</u> Broken _____ Unsigned _____ |
| 3. Chain of Custody Record(s)/Traffic Reports Present? | Yes <u>X</u> | No _____ |
| 4. Chain of Custody Record(s)/Traffic Reports Signed? | Yes <u>X</u> | No _____ |
| 5. Chain of Custody Record(s)/Traffic Reports Dated? | Yes <u>X</u> | No _____ |
| 6. Airbill Present? | Yes _____ | No <u>X</u> |
| 7. Airbill Number(s)? <u>N/A</u> | _____ | _____ |
| 8. Airbill Signed? | Yes <u>N/A</u> | No _____ |
| 9. Airbill Dated? | Yes <u>N/A</u> | No _____ |
| 10. Sample Tags Present? | Yes _____ | No <u>X</u> |
| 11. Sample Tags Match DC-1 (Complete Audit Only)? | Yes _____ | No _____ N/A <u>X</u> |

FORM DC-1

- | | | |
|------------------------|--------------|----------|
| 12. Form DC-1 Present? | Yes <u>X</u> | No _____ |
|------------------------|--------------|----------|

FORM DC-2

- | | | |
|--|--------------|-----------------------|
| 13. Form DC-2 Present? | Yes <u>X</u> | No _____ |
| 14. Form DC-2 Reviewed by USEPA and Correct (Complete Audit Only)? | Yes _____ | No _____ N/A <u>X</u> |

DOCUMENT CONTROL

15. Laboratory Documents Legible (*Complete Audit Only*)? Yes ☐ No ☐ N/A ☒
16. Original Documents Included in CSF (*Complete Audit Only*)? Yes ☐ No ☐ N/A ☒

DATA INSPECTION

17. Raw data present (for each analytical fraction defined by the traffic report/chain of custody record)? Yes ☒ No ☐
18. Percent Solids Form present for soil samples? Yes ☐ No ☐ N/A ☒
19. Cover Page Present? Yes ☒ No ☐
20. Records of Communication Present? Yes ☒ No ☐ N/A ☐
21. Form 1s present (for each analytical fraction defined by the traffic report/chain of custody record/cover page) (*Complete Audit Only*)? Yes ☐ No ☐ N/A ☒

ELECTRONIC DATA

22. Electronic DAT file elements received?
EDD Yes ☒ No ☐ N/A ☐
CCS Report Yes ☒ No ☐ N/A ☐
M/VS Report Yes ☒ No ☐ N/A ☐
Defect Code Report Yes ☒ No ☐ N/A ☐
23. List RPM and contractors who received electronic DAT file:
not indicated - most likely Tetra Tech

COMMENTS:

Laboratory indicated in the data package analysis and sample bags were not provided.

Audited By:
(As defined in the
Region 8 Inspection of
Complete Sample
Delivery Group SOP)



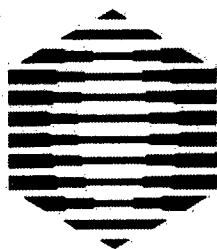
Signature

Don Goodrich

Print Name

Date:

9/11/2003



**DATA
CHEM**
LABORATORIES, INC.

SDG Administrative Narrative

Contract: EP-W-05-054
Case: 37402
SDG: M H21063
Set ID No.: 8171003

Cooler # and temperatures of each (upon receipt)

Cooler Number C08-	<u>NA</u>	Arrival temperature was	<u>9</u> °C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C
Cooler Number C08-		Arrival temperature was	°C

7/7/03

Communications:

Any sample receiving issues with this SDG are fully documented through the email communications which are included as a portion of this SDG Narrative and immediately follow this page. Copies of each of these email communications are also located in the communication section of this datapackage. In addition, any analytical issues pertinent to a given fraction are fully documented by the analyst in the associated narrative for the applicable fraction.

Comments:

None.

Signature: *[Signature]*

Date: *7/7/03*

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Wednesday, June 18, 2008 2:47 PM
To: Edwards, Meredith D.
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Attachments: 2008061810320025.pdf; 37402 CLP IDs.xls



200806181032002537402 CLP IDs.xls
.pdf (642 KB) (28 KB)

-----Original Message-----

From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Wednesday, June 18, 2008 2:24 PM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,

Summary Start

-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC. with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.

Resolution 1: Per Region 8, the laboratory will note issue in the SDG Narrative and will use the CLP sample ID provided in the attached table for the DM water and soil samples. The TM water samples will retain the CLP ID listed on the TR/COC.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4. TM container was received.

Resolution 2: Per Region 8, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Summary End

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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-----Original Message-----

From: Beard.Carol@epamail.epa.gov [mailto:Beard.Carol@epamail.epa.gov]
Sent: Wednesday, June 18, 2008 1:17 PM
To: Kramer, Caroline
Subject: Re: Region 08 |Case 37402 | Lab DATAC | Issue Multiple

Caroline-

Issue 1 : Please provide the laboratory with new ID for the different matrices for Case 37402.

Issue 2 : Please have the laboratory note this in the case narrative and proceed with the analysis.

Thanks! Carol

"Kramer,
Caroline"
<ckramer5@fedcsc
.com>

To
Carol Beard/EPR/R8/USEPA/US@EPA
cc

06/18/2008 11:06
AM

Subject
Region 08 |Case 37402 | Lab DATAC
| Issue Multiple

Carol,
DATAC is reporting the follow issues regarding Case 37402 for samples delivered today. TR/COC are attached for reference. Please advise on how the Region wishes the laboratory to proceed.

-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.

*Please advise if you would like me to provide new ID for the different matrices. I can do this in a table like last time.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4.
TM container was received.

Please let me know if you have any questions.
Thanks,

Caroline L. Kramer
ckramer5@fedcsc.com
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-----Original Message-----
From: Olson, Roxanne [mailto:olsonr@atachem.com]
Sent: Wednesday, June 18, 2008 12:40 PM
To: Kramer, Caroline
Cc: Edwards, Meredith D.
Subject: Case 37402 Sample Delivery 6/18

Caroline: Here are the TRs for case 37402 for samples we received today and which we spoke about a few minutes ago on the phone.

Issues we see immediately:

TM, DM and Sediment samples all have same EPA IDs. Water containers labels do

differentiate between DM and TM.

No container was received for DM for sample on TR designated MH25A4. TM container was received.

How do we complete DC-1 forms?

More issues may crop up but we can't begin to address this delivery until we get the first issues taken care of.

Thanks for your help!

Roxy

(See attached file: 2008061810320025.pdf)

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Wednesday, June 18, 2008 2:47 PM
To: Edwards, Meredith D.
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"Kramer,
Caroline"
<ckramer5@fedcsc
.com>

To
Carol Beard/EPR/R8/USEPA/US@EPA
cc

06/18/2008 11:06
AM

Subject
Region 08 |Case 37402 | Lab DATAC
| Issue Multiple

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-----Original Message-----

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Sent: Wednesday, June 18, 2008 12:40 PM
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Cc: Edwards, Meredith D.
Subject: Case 37402 Sample Delivery 6/18

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Thanks for your help!

Roxy

(See attached file: 2008061810320025.pdf)

Listed TR ID	Matrix	Analysis	New CLP ID
MH2599	water	TM	MH2599
	water (filterd)	DM	MH2662
	soil	TM	MH2663
MH25A0	water	TM	MH25A0
	water (filterd)	DM	MH2664
	soil	TM	MH2665
MH25A1	water	TM	MH25A1
	water (filterd)	DM	MH2666
	soil	TM	MH2667
MH25A2	water	TM	MH25A2
	water (filterd)	DM	MH2668
	soil	TM	MH2669
MH25A3	water	TM	MH25A3
	water (filterd)	DM	MH2670
	soil	TM	MH2671
MH25A6	water	TM	MH25A6
	water (filterd)	DM	MH2672
MH25A7	water	TM	MH25A7
	water (filterd)	DM	MH2673
	soil	TM	MH2674
MH25A9	water	TM	MH25A9
	water (filterd)	DM	MH2675
	soil	TM	MH2676
MH25B0	water	TM	MH25B0
	water (filterd)	DM	MH2677
	soil	TM	MH2678
MH25B1	water	TM	MH25B1
	water (filterd)	DM	MH2679
	soil	TM	MH2680
MH25B2	water	TM	MH25B2
	water (filterd)	DM	MH2681
	soil	TM	MH2682
MH25B3	water	TM	MH25B3
	water (filterd)	DM	MH2683
	soil	TM	MH2684
MH25B4	water	TM	MH25B4
	water (filterd)	DM	MH2685
MH25B5	water	TM	MH25B5
	water (filterd)	DM	MH2686
	soil	TM	MH2687
MH25B6	water	TM	MH25B6
	water (filterd)	DM	MH2688
	soil	TM	MH2689
MH25B7	water	TM	MH25B7
	water (filterd)	DM	MH2690
	soil	TM	MH2691

MH25B8	water	TM	MH25B8
	water (filterd)	DM	MH2692
	soil	TM	MH2693
MH25C0	water	TM	MH25C0
	water (filterd)	DM	MH2694
	soil	TM	MH9695
MH25C4	water	TM	MH25C4
	water (filterd)	DM	MH2696
MH25C5	water	TM	MH25C5
	water (filterd)	DM	MH2697
	soil	TM	MH2698
MH25C7	water	TM	MH25C7
	water (filterd)	DM	MH2699
	soil	TM	MH26A0
MH25C8	water	TM	MH25C8
	water (filterd)	DM	MH26A1
	soil	TM	MH26A2
MH25C9	water	TM	MH25C9
	water (filterd)	DM	MH26A3
MH25D1	water	TM	MH25D1
	water (filterd)	DM	MH26A4
	soil	TM	MH26A5
MH25D3	water	TM	MH25D3
	water (filterd)	DM	MH26A6
MH25D4	water	TM	MH25D4
	water (filterd)	DM	MH26A7
	soil	TM	MH26A8
MH25D5	water	TM	MH25D5
	water (filterd)	DM	MH26A9
	soil	TM	MH26B0
MH25D6	water	TM	MH25D6
	water (filterd)	DM	MH26B1
MH25D7	water	TM	MH25D7
	water (filterd)	DM	MH26B2
	soil	TM	MH26B3
MH25D8	water	TM	MH25D8
	water (filterd)	DM	MH25B4
MH25D9	water	TM	MH25D9
	water (filterd)	DM	MH26B5
MH25E0	water	TM	MH25E0
	water (filterd)	DM	MH26B6
MH25E1	water	TM	MH25E1
	water (filterd)	DM	MH26B7
MH25E2	water	TM	MH25E2
	water (filterd)	DM	MH26B8
MH25E3	water	TM	MH25E3
	water (filterd)	DM	MH26B9

MH25E4	water	TM	MH25E4
	water (filterd)	DM	MH26C0
	soil	TM	MH26C1
MH25E5	water	TM	MH25E5
	water (filterd)	DM	MH26C2
	soil	TM	MH26C3
MH25E6	water	TM	MH25E6
	water (filterd)	DM	MH26C4
	soil	TM	MH26C5
MH25E7	water	TM	MH25E7
	water (filterd)	DM	MH26C6
	soil	TM	MH26C7
MH25E8	water	TM	MH25E8
	water (filterd)	DM	MH26C8
	soil	TM	MH26C9
MH25E9	water	TM	MH25E9
	water (filterd)	DM	MH26D0
MH25F0	water	TM	MH25F0
	water (filterd)	DM	MH26D1

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Friday, June 20, 2008 9:54 AM
To: Edwards, Meredith D.
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Friday, June 20, 2008 9:46 AM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

Roxy,

Summary Start

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.

MH25C5 (TM water) no QC selected as there is not enough volume.

MH25E8 (TM water) no QC selected as there is not enough volume.

MH2662 (DM water) no QC selected as there is not enough volume.

MH2697 (DM water) no QC selected as there is not enough volume.

MH26C8 (DM water) no QC selected as there is not enough volume.

MH25F1 (TM soil) selected MH26C9 for QC.

MH2663 (TM soil) selected MH2695 for QC

Resolution: Per Region 8, the laboratory's selection of soil QC samples is acceptable. The laboratory will note the volume insufficiency in the SDG Narrative, cancel lab QC on the TM and DM SDG and proceed with the analysis of the samples.

Summary End

Please let me know if you have any questions or problems.

Thank you,

Caroline L. Kramer

ckramer5@fedcsc.com

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703.818.4248

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➔ **6/20/2008 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8.**
Carol confirmed that the soil samples selected for QC are acceptable and that DATAC can cancel the QC for the water samples due to insufficient sample volume. The laboratory will note the issue in the SDG Narrative.

From: Kramer, Caroline

6/20/2008

Sent: Thursday, June 19, 2008 3:21 PM
To: 'beard.carol@epa.gov'
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume

Carol,
DATAC is reporting the following issue regarding Case 37402. Please advise on how the Region wishes the laboratory to proceed.

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.
MH25C5 (TM water) no QC selected as there is not enough volume.
MH25E8 (TM water) no QC selected as there is not enough volume.
MH2662 (DM water) no QC selected as there is not enough volume.
MH2697 (DM water) no QC selected as there is not enough volume.
MH26C8 (DM water) no QC selected as there is not enough volume.
MH25F1 (TM soil) selected MH26C9 for QC.
MH2663 (TM soil) selected MH2695 for QC

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
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From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Thursday, June 19, 2008 3:04 PM
To: Kramer, Caroline
Subject: FW: Region 8 Case 37402

Caroline: See the following for the SDGs and where possible DATAC's selection for QC. Please note that because this was a confusing login effort we have one SDG (MH2663) that we did not use the lowest alpha numeric number to name the SDG.

Roxy

From: Edwards, Meredith D.
Sent: Thursday, June 19, 2008 12:57 PM
To: DataChem EPA List
Subject: Region 8 Case 37402

Here are the SDG names and then the samples I chose for QC.

6/20/2008

MH2599 TM water no QC selected as there is not enough volume.

MH25C5 TM water no QC selected as there is not enough volume.

MH25E8 TM water no QC selected as there is not enough volume.

MH2662 DM water no QC selected as there is not enough volume.

MH2697 DM water no QC selected as there is not enough volume.

MH26C8 DM water no QC selected as there is not enough volume.

MH25F1 TM soil selected MH26C9 for QC.

MH2663 TM soil selected MH2695 for QC also on this SDG I used a higher number to name the SDG. Since there were only 2 samples that didn't change names after receipt it was very confusing.

Thanks

Mere

-----Original Message-----

From: Kramer, Caroline

Sent: Thursday, June 19, 2008 10:47 AM

To: 'Olson, Roxanne'

Subject: RE: Region 08 | Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,

Just let me know as soon as you know which SDG will not have sufficient volume and I will pass it along to the Region for a resolution.

Please let me know if you have any confusion with the spreadsheet of new sample IDs as you are logging them in.

Thanks,

Caroline L. Kramer

ckramer5@fedcsc.com

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-----Original Message-----

From: Olson, Roxanne [mailto:olsonr@datachem.com]

Sent: Thursday, June 19, 2008 10:38 AM

To: Kramer, Caroline

Subject: FW: Region 08 | Case 37402 | Lab DATAC | Issue Multiple | FINAL

Caroline: Another issue with the samples from yesterday as we were logging them in. We have no extra volume for the water samples for QC. Is the case closed or should we expect additional volume from another delivery? We can't even do a reduced volume on the waters as the samplers are delivering the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. I will let you know which SDGs will not have QC as soon as we complete the login.

6/20/2008

Roxy

6/21/2008

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Thursday, June 19, 2008 9:05 AM
To: Edwards, Meredith D.
Subject: FW: Region 08 | Case 37402 | Lab DATAC | Issue Sample received at laboratory but not listed on TR/COC | FINAL

-----Original Message-----

From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Thursday, June 19, 2008 9:07 AM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 | Case 37402 | Lab DATAC | Issue Sample received at laboratory but not listed on TR/COC | FINAL

Roxy,

Summary Start

Issue: The laboratory did received a soil container for sample MH25A4; however there was no sediment matrix listed under this sample on the TR.

Does the Region want this soil sample analyzed? If so it will need a unique CLP sample ID, since MH25A4 is being used for the TM fraction of this sample.

Resolution: Per Region 8, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the soil sample using the CLP sample ID provided below. Case 37402 is now complete.

TR sample ID--> New ID for soil matrix

MH25A4 --> MH26D2

Summary End

Please let me know if you have any questions or problems.

Thank you,

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ckramer5@fedcsc.com
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--> 6/19/2008 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8. Carol indicated that the laboratory should proceed with the analysis of the soil sample received under ID MH25A4, and that SMO should provide a new CLP sample ID for the soil matrix. Carol also confirmed that Case 37402 is complete.

-----Original Message-----

From: Kramer, Caroline
Sent: Thursday, June 19, 2008 8:18 AM
To: 'beard.carol@epa.gov'
Subject: Region 08 | Case 37402 | Lab DATAC | Issue Sample received at laboratory but not listed on TR/COC

Carol,

DATAAC is reporting an additional issue regarding Case 37402. Please advise on how the Region wishes the laboratory to proceed.

Issue: The laboratory did received a soil container for sample MH25A4; however there was no sediment matrix listed under this sample on the TR.
Does the Region want this soil sample analyzed? If so it will need a unique CLP sample ID, since MH25A4 is being used for the TM fraction of this sample.

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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-----Original Message-----

From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Wednesday, June 18, 2008 5:36 PM
To: Kramer, Caroline
Subject: FW: Region 08 |Case 37402 | Lab DATAAC | Issue Multiple | FINAL

Caroline:

One more issue with this case. Although not listed on the TR we did receive a soil container for sample MH25A4. If the region wants us to analyze it we will need a unique ID for that Soil sample. We are using MH25A4 ID for the TM.

Roxy

-----Original Message-----

From: Edwards, Meredith D.
Sent: Wednesday, June 18, 2008 3:25 PM
To: Olson, Roxanne
Subject: RE: Region 08 |Case 37402 | Lab DATAAC | Issue Multiple | FINAL

Upon trying to fill out the DC-1 forms for this case I noticed that we did receive a soil sample for MH25A4 but the TR doesn't list any soils.

Do they want us to analyze it? If so then I will need a new ID number.

Thanks

mere

Listed TR ID	Matrix	Analysis	New CLP ID
MH2599	water	TM	MH2599
	water (filterd)	DM	MH2662
	soil	TM	MH2663
MH25A0	water	TM	MH25A0
	water (filterd)	DM	MH2664
	soil	TM	MH2665
MH25A1	water	TM	MH25A1
	water (filterd)	DM	MH2666
	soil	TM	MH2667
MH25A2	water	TM	MH25A2
	water (filterd)	DM	MH2668
	soil	TM	MH2669
MH25A3	water	TM	MH25A3
	water (filterd)	DM	MH2670
	soil	TM	MH2671
MH25A6	water	TM	MH25A6
	water (filterd)	DM	MH2672
MH25A7	water	TM	MH25A7
	water (filterd)	DM	MH2673
	soil	TM	MH2674
MH25A9	water	TM	MH25A9
	water (filterd)	DM	MH2675
	soil	TM	MH2676
MH25B0	water	TM	MH25B0
	water (filterd)	DM	MH2677
	soil	TM	MH2678
MH25B1	water	TM	MH25B1
	water (filterd)	DM	MH2679
	soil	TM	MH2680
MH25B2	water	TM	MH25B2
	water (filterd)	DM	MH2681
	soil	TM	MH2682
MH25B3	water	TM	MH25B3
	water (filterd)	DM	MH2683
	soil	TM	MH2684
MH25B4	water	TM	MH25B4
	water (filterd)	DM	MH2685
MH25B5	water	TM	MH25B5
	water (filterd)	DM	MH2686
	soil	TM	MH2687
MH25B6	water	TM	MH25B6
	water (filterd)	DM	MH2688
	soil	TM	MH2689
MH25B7	water	TM	MH25B7
	water (filterd)	DM	MH2690
	soil	TM	MH2691

MH25B8	water	TM	MH25B8
	water (filterd)	DM	MH2692
	soil	TM	MH2693
MH25C0	water	TM	MH25C0
	water (filterd)	DM	MH2694
	soil	TM	MH9695
MH25C4	water	TM	MH25C4
	water (filterd)	DM	MH2696
MH25C5	water	TM	MH25C5
	water (filterd)	DM	MH2697
	soil	TM	MH2698
MH25C7	water	TM	MH25C7
	water (filterd)	DM	MH2699
	soil	TM	MH26A0
MH25C8	water	TM	MH25C8
	water (filterd)	DM	MH26A1
	soil	TM	MH26A2
MH25C9	water	TM	MH25C9
	water (filterd)	DM	MH26A3
MH25D1	water	TM	MH25D1
	water (filterd)	DM	MH26A4
	soil	TM	MH26A5
MH25D3	water	TM	MH25D3
	water (filterd)	DM	MH26A6
MH25D4	water	TM	MH25D4
	water (filterd)	DM	MH26A7
	soil	TM	MH26A8
MH25D5	water	TM	MH25D5
	water (filterd)	DM	MH26A9
	soil	TM	MH26B0
MH25D6	water	TM	MH25D6
	water (filterd)	DM	MH26B1
MH25D7	water	TM	MH25D7
	water (filterd)	DM	MH26B2
	soil	TM	MH26B3
MH25D8	water	TM	MH25D8
	water (filterd)	DM	MH25B4
MH25D9	water	TM	MH25D9
	water (filterd)	DM	MH26B5
MH25E0	water	TM	MH25E0
	water (filterd)	DM	MH26B6
MH25E1	water	TM	MH25E1
	water (filterd)	DM	MH26B7
MH25E2	water	TM	MH25E2
	water (filterd)	DM	MH26B8
MH25E3	water	TM	MH25E3
	water (filterd)	DM	MH26B9

MH25E4	water	TM	MH25E4
	water (filterd)	DM	MH26C0
	soil	TM	MH26C1
MH25E5	water	TM	MH25E5
	water (filterd)	DM	MH26C2
	soil	TM	MH26C3
MH25E6	water	TM	MH25E6
	water (filterd)	DM	MH26C4
	soil	TM	MH26C5
MH25E7	water	TM	MH25E7
	water (filterd)	DM	MH26C6
	soil	TM	MH26C7
MH25E8	water	TM	MH25E8
	water (filterd)	DM	MH26C8
	soil	TM	MH26C9
MH25E9	water	TM	MH25E9
	water (filterd)	DM	MH26D0
MH25F0	water	TM	MH25F0
	water (filterd)	DM	MH26D1

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Friday, June 20, 2008 9:54 AM
To: Edwards, Meredith D.
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Friday, June 20, 2008 9:46 AM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

Roxy,

Summary Start

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.

MH25C5 (TM water) no QC selected as there is not enough volume.

MH25E8 (TM water) no QC selected as there is not enough volume.

MH2662 (DM water) no QC selected as there is not enough volume.

MH2697 (DM water) no QC selected as there is not enough volume.

MH26C8 (DM water) no QC selected as there is not enough volume.

MH25F1 (TM soil) selected MH26C9 for QC.

MH2663 (TM soil) selected MH2695 for QC

Resolution: Per Region 8, the laboratory's selection of soil QC samples is acceptable. The laboratory will note the volume insufficiency in the SDG Narrative, cancel lab QC on the TM and DM SDG and proceed with the analysis of the samples.

Summary End

Please let me know if you have any questions or problems.
 Thank you,

Caroline L. Kramer

ckramer5@fedcsc.com

Computer Sciences Corporation (CSC)

703.818.4248

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- **6/20/2008 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8.**
 Carol confirmed that the soil samples selected for QC are acceptable and that DATAC can cancel the QC for the water samples due to insufficient sample volume. The laboratory will note the issue in the SDG Narrative.

From: Kramer, Caroline

6/20/2008

Sent: Thursday, June 19, 2008 3:21 PM
To: 'beard.carol@epa.gov'
Subject: Region 08 | Case 37402 | Lab DATAC | Issue Insufficient volume

Carol,
DATAC is reporting the following issue regarding Case 37402. Please advise on how the Region wishes the laboratory to proceed.

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.
MH25C5 (TM water) no QC selected as there is not enough volume.
MH25E8 (TM water) no QC selected as there is not enough volume.
MH2662 (DM water) no QC selected as there is not enough volume.
MH2697 (DM water) no QC selected as there is not enough volume.
MH26C8 (DM water) no QC selected as there is not enough volume.
MH25F1 (TM soil) selected MH26C9 for QC.
MH2663 (TM soil) selected MH2695 for QC

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Thursday, June 19, 2008 3:04 PM
To: Kramer, Caroline
Subject: FW: Region 8 Case 37402

Caroline: See the following for the SDGs and where possible DATAC's selection for QC. Please note that because this was a confusing login effort we have one SDG (MH2663) that we did not use the lowest alpha numeric number to name the SDG.

Roxy

From: Edwards, Meredith D.
Sent: Thursday, June 19, 2008 12:57 PM
To: DataChem EPA List
Subject: Region 8 Case 37402

Here are the SDG names and then the samples I chose for QC.

6/20/2008

MH2599 TM water no QC selected as there is not enough volume.

MH25C5 TM water no QC selected as there is not enough volume.

MH25E8 TM water no QC selected as there is not enough volume.

MH2662 DM water no QC selected as there is not enough volume.

MH2697 DM water no QC selected as there is not enough volume.

MH26C8 DM water no QC selected as there is not enough volume.

MH25F1 TM soil selected MH26C9 for QC.

MH2663 TM soil selected MH2695 for QC also on this SDG I used a higher number to name the SDG. Since there were only 2 samples that didn't change names after receipt it was very confusing.

Thanks

Mere

-----Original Message-----

From: Kramer, Caroline

Sent: Thursday, June 19, 2008 10:47 AM

To: 'Olson, Roxanne'

Subject: RE: Region 08 | Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,

Just let me know as soon as you know which SDG will not have sufficient volume and I will pass it along to the Region for a resolution.

Please let me know if you have any confusion with the spreadsheet of new sample IDs as you are logging them in.

Thanks,

Caroline L. Kramer

ckramer5@fedcsc.com

Computer Sciences Corporation (CSC)

703.818.4248

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-----Original Message-----

From: Olson, Roxanne [mailto:olsonr@datachem.com]

Sent: Thursday, June 19, 2008 10:38 AM

To: Kramer, Caroline

Subject: FW: Region 08 | Case 37402 | Lab DATAC | Issue Multiple | FINAL

Caroline: Another issue with the samples from yesterday as we were logging them in. We have no extra volume for the water samples for QC. Is the case closed or should we expect additional volume from another delivery? We can't even do a reduced volume on the waters as the samplers are delivering the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. I will let you know which SDGs will not have QC as soon as we complete the login.

6/20/2008

Roxy

USEPA - CLP

COVER PAGE

Lab Name: DATAChem LABORATORIESContract: EP-W-06-054Lab Code: DATAcCase No.: 37402NRAS No.: 1553.0SDG No.: MH2663SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
<u>MH25A5</u>	<u>8171003007</u>
<u>MH2663</u>	<u>8171003001</u>
<u>MH2665</u>	<u>8171003002</u>
<u>MH2667</u>	<u>8171003003</u>
<u>MH2669</u>	<u>8171003004</u>
<u>MH2671</u>	<u>8171003005</u>
<u>MH2674</u>	<u>8171003008</u>
<u>MH2676</u>	<u>8171003009</u>
<u>MH2678</u>	<u>8171003010</u>
<u>MH2680</u>	<u>8171003011</u>
<u>MH2682</u>	<u>8171003012</u>
<u>MH2684</u>	<u>8171003013</u>
<u>MH2687</u>	<u>8171003014</u>
<u>MH2689</u>	<u>8171003015</u>
<u>MH2691</u>	<u>8171003016</u>
<u>MH2693</u>	<u>8171003017</u>
<u>MH2695</u>	<u>8171003018</u>
<u>MH2695D</u>	<u>8171003020</u>
<u>MH2695S</u>	<u>8171003019</u>
<u>MH26D2</u>	<u>8171003006</u>

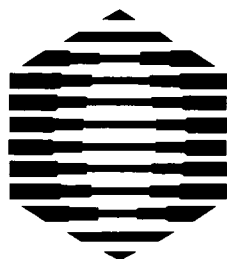
		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS Interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
If yes - were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: Neil EdwardsDate: 07/02/2008Title: Chemist



**DATA
CHEM**
LABORATORIES, INC.

SDG NARRATIVE

Case #: 37402
SDG#: MH2663
Contract #: EP-W-06-054
DCL Set ID#: 8171003
July 2, 2008

General Information

The eighteen samples in this SDG were analyzed by methodologies contained in ILM05.4, by MOD # 1553.0. All concentration, analytical, and method qualifiers are defined in the SOW.

Holding Times

All samples were prepared and analyzed within method required holding times.

Initial and Continuing Calibration

All initial and continuing calibration verification and blank analyses were performed within the designated frequency and recoveries of the verifications and concentrations of the blanks met method acceptance criteria.

Interference Check Sample Analysis

Results for the interference check samples met method acceptance criteria.

Preparation Blanks

The absolute values of all analyte concentrations in the preparation blanks were lower than the Contract Required Quantitation Limits.

Laboratory Control Sample Analysis

Results for the analysis of the LCS met method acceptance criteria.

Matrix Spike Analysis

All matrix spike recoveries were within the limits of 75-125%

Matrix Duplicate Analysis

All matrix duplicate results met method criteria with the exception of aluminum.

Serial Dilution

ICP-AES Serial Dilution results met method acceptance criteria.

Miscellaneous Comments

All calibration data is linear, please see raw data.
Cooler temps were at 4 and 9 °C at time of receipt.

Example Equations

Method MW1: $C \times \frac{V_f}{V_i} \times DF = \text{Concentration}(\mu\text{g/L})$

Where,

C = Instrument value in $\mu\text{g/L}$ (The average of all replicate integrations).

Vf= Final digestion volume (mL)

Vi = Initial digestion volume (mL)

DF = Dilution Factor

Mod 153.0

ILM05.4

SAMPLE LOG-IN SHEET

MNH 15530

Lab Name	DataChem Laboratories, Inc.	Page	2 of 2
Received By (Print Name)	Meredith Edwards	Log-In Date	6/19/08
Received By (Signature)	<i>Meredith Edwards</i>		

Case Number	Sample Delivery Group No.	NRAS Number
37402	MNH 15530	n/a

Remarks:	EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1. Custody Seal (s) Present/Absent* Intact/Broken*	MNH 2048	n/a	n/a		Metal Soil
2. Custody Seal Nos.	B0				
	B3				
	C1				
3. Traffic Reports/Chain of Custody Records or Packing Lists Present/Absent*	C3				
4. Airbill Airbill/Sticker Present/Absent*	C5				
	C7				
6. Airbill No.	C9				
6. Sample Tags Present/Absent*					
Sample Tag Numbers Listed/Not Listed on Chain-of-Custody					
7. Sample Condition Intact/Broken*/Leaking*					
8. Cooler Temperature Indicator Bottle Present/Absent*					
9. Cooler Temperature					
10. Does information on custody records, traffic reports, and sample tags agree? Yes/No*					
11. Date Received at lab					
12. Time Received					
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

Reviewed By: <i>G. P. Olsen</i> Date: 6/19/08	Logbook No. NOT APPLICABLE Logbook Page No. NOT APPLICABLE
--	---

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME	DataChem Laboratories, Inc.		
CITY/STATE	Salt Lake City, UT 84123		
CASE NO.	37402	SDG NO.:	MH2663
SDG NOS. TO FOLLOW	N/A		
NRAS No.	N/A		
CONTRACT NO.	EP-W-06-054		
SOW NO.	ILM05.4		

All documents delivered in the Complete SDG File must be original documents where possible.
(Reference - Exhibit B Section 2.6)

	PAGE NOS		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>1</u>	<input checked="" type="checkbox"/>	
2. SDG Narrative	<u>2</u>	<u>3</u>	<input checked="" type="checkbox"/>	
3. Sample Log-In Sheet (DC-1)	<u>4</u>	<u>5</u>	<input checked="" type="checkbox"/>	
4. Inventory Sheet (DC-2)	<u>6</u>	<u>7</u>	<input checked="" type="checkbox"/>	
5. Traffic Report/Chain of Custody Record(s)	<u>8</u>	<u>10</u>	<input checked="" type="checkbox"/>	
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>11</u>	<u>28</u>	<input checked="" type="checkbox"/>	
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>29</u>	<u>30</u>	<input checked="" type="checkbox"/>	
8. CRQL Standard (Form IIB-IN)	<u>31</u>	<u>32</u>	<input checked="" type="checkbox"/>	
9. Blanks (Form III-IN)	<u>33</u>	<u>34</u>	<input checked="" type="checkbox"/>	
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>35</u>	<u>38</u>	<input checked="" type="checkbox"/>	
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>NA</u>		<input checked="" type="checkbox"/>	
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>39</u>	<u>39</u>	<input checked="" type="checkbox"/>	
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>NA</u>		<input checked="" type="checkbox"/>	
14. Duplicates (Form VI-IN)	<u>40</u>	<u>40</u>	<input checked="" type="checkbox"/>	
15. Laboratory Control Sample (Form VII-IN)	<u>41</u>	<u>41</u>	<input checked="" type="checkbox"/>	
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>42</u>	<u>42</u>	<input checked="" type="checkbox"/>	
17. Method Detection Limits (Annually) (Form IX-IN)	<u>43</u>	<u>44</u>	<input checked="" type="checkbox"/>	
18. ICP-AES Interelement Correction Factors (Quarterly) Form XA-IN)	<u>45</u>	<u>45</u>	<input checked="" type="checkbox"/>	
19. ICP-AES Interelement Correction Factors (Quarterly) Form XB-IN)	<u>46</u>	<u>47</u>	<input checked="" type="checkbox"/>	
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) Form XI-IN)	<u>48</u>	<u>48</u>	<input checked="" type="checkbox"/>	
21. Preparation Log (Form XII-IN)	<u>49</u>	<u>49</u>	<input checked="" type="checkbox"/>	

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOS		CHECK	
	FROM	TO	LAB	REGION
22. Analysis Run Log (Form XIII-IN)	50	51	✓	
23. ICP-MS Tune (Form XIV-IN)	NA		✓	
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	NA		✓	
25. ICP AES Raw Data	52	120	✓	
26. GFAA Raw Data (If Applicable)	NA		✓	
27. ICP-MS Raw Data	NA		✓	
28. Mercury Raw Dta	NA		✓	
29. Cyanide Raw Data	NA		✓	
30. Preparation Logs Raw Data	121	121	✓	
31. Percent Solids Determination Log	NA		✓	
32. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments _____)	NA		✓	
Sample Tags	122	122	✓	
Sample Log-In Sheet (Lab)	NA		✓	
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	NA		✓	
DCL CRIR	NA		✓	
DCL SDG TR Cover Sheet	123	123	✓	
34. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
DCL Work Order	NA		✓	
DCL COC	124	125	✓	
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records	126	136	✓	
Analysis Records	137	159	✓	
Description	NA		✓	
36. Other Records (describe or list)				
Telephone Communications Log	NA		✓	
E-mail Communications	160	171	✓	
37. Comments:			✓	

Completed by:
(CLP Lab)

(Signature)

Melissa Duggan / Doc. Ctrl.

(Print Name & Title)

7/7/08

(Date)

Audited By:
(USEPA)

(Signature)

(Print Name & Title)

(Date)

7



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 37402

DAS No:

SDG No: MH24023

L

Date Shipped: 6/16/2008
Carrier Name: Hand delivered
Airbill:
Shipped to: Datachem Laboratories,
Inc.
960 West LeVoy Drive
Salt Lake City UT 84123
(801) 266-7700

Chain of Custody Record

Relinquished By (Date / Time)

1 *Ch H* 6/18/08
2
3
4

Sampler
Signature: *Ch H*

Received By (Date / Time)

Michael 6/18/08/815

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

EPN 06054

N/A

Ch H 6/18/08

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH25A5	Surface Water Sediment	/G	DM (21), TM (21)	34, 35, 36 (3) (1)	Inflow from UNT to LSC	S: 6/3/2008 15:30		
MH25A6	Surface Water	/G	DM (21), TM (21)	34, 35, 36 (3) (2)	Silver Creek below Transect 3	S: 6/4/2008 10:00		
MH25A7	Surface Water/ Sediment	/G	DM (21), TM (21)	37, 38, 39 (3)	Silver Creek below the confluence with UNT	S: 6/4/2008 10:45		
MH25A8	Surface Water	/G	DM (21), TM (21)	40, 41, 42 (3)	Silver Creek			
MH25A9	Surface Water/ Sediment	/G	DM (21), TM (21)	43, 44, 45 (3)	Silver Creek Downstream of Tailings 1	S: 6/4/2008 11:45		
MH25B0	Surface Water/ Sediment	/G	DM (21), TM (21)	46, 47, 48 (3)	Silver Creek at the Rail Trail near cement plant	S: 6/4/2008 12:25		
MH25B1	Surface Water/ Sediment	/G	DM (21), TM (21)	49, 50, 51 (3)	Silver Creek downstream of UNT	S: 6/4/2008 12:50		
MH25B2	Surface Water/ Sediment	/G	DM (21), TM (21)	52, 53, 54 (3)	UNT of the diversion channel	S: 6/4/2008 13:05		
MH25B3	Surface Water/ Sediment	/G	DM (21), TM (21)	55, 56, 57 (3)	Silver Creek below diversion of irrigation ditch	S: 6/4/2008 15:20		
MH25B4	Surface Water	/G	DM (21), TM (21)	58, 59, 60 (3) (2)	Irrigation diversion abover Homer Pace Ditch	S: 6/4/2008 14:50		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: <i>4/4/4/4/10</i>	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>N</i>	Shipment Iced? <i>Y</i>

DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 8-584325316-061608-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 37402

DAS No:

SDG No: MH2403

L

Date Shipped: 6/16/2008
Carrier Name: Hand delivered
Airbill:
Shipped to: Datchem Laboratories,
Inc.
960 West LeVoy Drive
Salt Lake City UT 84123
(801) 266-7700

Chain of Custody Record

Relinquished By (Date / Time)

1 Ch #7 6/18/08
2
3
4

Sampler
Signature: Ch #7

Received By (Date / Time)

Murder? Edmund 6/18/08/05

For Lab Use Only

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

EPWD 6084

N/A

6/18/08

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH25B5	Surface Water/ Sediment	/G	DM (21), TM (21)	61, 62, 63 (3)	Mouth of irrigation diversion ditch			
MH25B6	Surface Water/ Sediment	/G	DM (21), TM (21)	64, 65, 66 (3)	Silver Creek below Richardson Flat Tailings	S: 6/4/2008	14:30	
MH25B7	Surface Water/ Sediment	/G	DM (21), TM (21)	67, 68, 69 (3)	Inflow from drainage ditch along US-40	S: 6/5/2008	7:30	
MH25B8	Surface Water/ Sediment	/G	DM (21), TM (21)	70, 71, 72 (3)	Silver Creek below floodplain tailings	S: 6/4/2008	15:50	
MH25B9	Surface Water	/G	DM (21), TM (21)	73, 74, 75 (3)	Silver Creek below Richardson Flat			
MH25C0	Surface Water/ Sediment	/G	DM (21), TM (21)	76, 77, 78 (3)	Silver Creek above floodplain tailings	S: 6/5/2008	9:55	
MH25C1	Surface Water	/G	DM (21), TM (21)	79, 80, 81 (3)	Diversion ditch irrigation ditch			
MH25C2	Surface Water	/G	DM (21), TM (21)	82, 83, 84 (3)	Diversion ditch irrigation ditch			
MH25C3	Surface Water	/G	DM (21), TM (21)	85, 86, 87 (3)	Diversion ditch irrigation ditch			
MH25C4	Surface Water	/G	DM (21), TM (21)	88-89, 90 (3) (2)	Inflow to Silver Creek from Dority Springs	S: 6/5/2008	11:52	

Shipment for Case
Complete? N

Sample(s) to be used for laboratory QC:

Additional Sampler Signature(s):

Cooler Temperature
Upon Receipt:

Chain of Custody Seal Number:

Analysis Key:

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ☒

Shipment Iced? ☒

DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 8-584325316-061608-0001

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LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record



Case No: 37402

DAS No:

SDG No:

MH2003

L

Date Shipped: 6/16/2008
Carrier Name: Hand delivered
Airbill:
Shipped to: Datchem Laboratories,
Inc.
960 West LeVoy Drive
Salt Lake City UT 84123
(801) 266-7700

Chain of Custody Record

Relinquished By	(Date / Time)
1 <i>Ch #7</i>	6/18/08
2	
3	
4	

Sampler Signature:	Received By	(Date / Time)
<i>Ch #7</i>	<i>Meredith Johnson</i>	6/18/08 / 15

For Lab Use Only

Lab Contract No: *EPWD 00034*
Unit Price: *N/A*
Transfer To: *Ala 6/18/08*
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH2003	Surface Water	/G	DM (21), TM (21)	13, 14, 15 (3)	Silver Creek below STP	6/3/2008	10:15	
MH2003	Surface Water	/G	DM (21), TM (21)	16, 17, 18 (3)	Silver Creek below STP	6/3/2008	10:50	
MH2003	Surface Water	/G	DM (21), TM (21)	22, 23, 24 (3)	Silver Creek above STP	6/3/2008	11:30	
MH2003	Surface Water	/G	DM (21), TM (21)	25, 26, 27 (3)	Silver Creek downstream of Tailings 3	6/3/2008	12:30	
MH2599	Surface Water/ Sediment	/G	DM (21), TM (21)	13, 14, 15 (3)	Inflow from Irrigation Ditch	S: 6/3/2008	9:45	
MH25A0	Surface Water/ Sediment	/G	DM (21), TM (21)	16, 17, 18 (3)	Silver Creek below STP @ USGS Gaging Station	S: 6/3/2008	10:50	
MH25A1	Surface Water/ Sediment	/G	DM (21), TM (21)	19, 20, 21 (3) (1)	Discharge from STP	S: 6/3/2008	10:15	
MH25A2	Surface Water/ Sediment	/G	DM (21), TM (21)	22, 23, 24 (3)	Silver Creek Above STP	S: 6/3/2008	11:30	
MH25A3	Surface Water/ Sediment	/G	DM (21), TM (21)	25, 26, 27 (3)	Silver Creek downstream of Tailings 3	S: 6/3/2008	12:30	
MH25A4	Surface Water	/G	DM (21), TM (21)	28, 29, 30 (3) (2)	Silver Creek downstream of Tailings 2	S: 6/3/2008	14:20	

No DM container received
EO 6/18/08

Shipment for Case Complete? <i>N</i>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: <i>4/4/4/4</i>	Chain of Custody Seal Number:
Analysis Key: DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>N</i>	Shipment Iced? <i>Y</i>

TR Number: 8-584325316-061608-0001

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TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1085972

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 09/11/2008

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☒ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

1 - 3 1/2" Floppy - File Name MH2663.IO1, Contract #EP-W-06-054,
Case/SDG 37402/MH2663, 7/7/08